

Rabbit FANCA Polyclonal Antibody | anti-FANCA antibody

Rabbit Polyclonal to Human FANCA

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50691	Rabbit	Chimpanzee, Human	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

FANCA; Polyclonal Antibody; Rabbit Polyclonal to Human FANCA; Anti-FANCA Antibody (aa995-1009) IHC-plus; FA1; FACA; FA-H; Fanconi anemia group A protein; Fanconi anemia; type 1; FA; Protein FACA; FAA; FANCH; Human FANCA; anti-FANCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Chimpanzee, Human
Clonality	Polyclonal
Specificity	Amino acids 995-1009 of human FANCA protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1455
Applicable Applications for anti-FANCA antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human FANCA.
Immunogen Type	Synthetic peptide
Immunogen	FANCA antibody was raised against synthetic peptide from human FANCA.
Antigen Modification	aa995-1009
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.



WB (Western Blot)

Anti-FANCA Antibody - Western Blot. Western blot of affinity purified anti-FANCA antibody shows detection of a band at ~133 kD (arrowhead) corresponding to FANCA in HeLa whole cell lysates. The identity of the lower molecular weight bands is unknown but may represent breakdown products. Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed for 2 h at room temperature with the primary antibody diluted to 1:1500. The membrane was washed and reacted with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] (for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers indicated at left (700 nm channel, red). IRDye800 fluorescence images were captured using the Odyssey Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



WB (Western Blot)

Anti-FANCA Antibody - Western Blot. Western blot of affinity purified anti-FANCA antibody shows detection of FANCA only in FANCA transfected GM6914 cell lysates. No staining is seen in lysates prepared from FANCA (-/-) cells in the absence of FANCA transfection. Modified from Smogorzewska et al (2007) Cell 129, 289-301.



IHC (Immunohistochemistry)

Anti-FANCA antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66880553
NCBI GeneID	2175
NCBI Accession #	NP_000126.2
NCBI GenBank Nucleotide #	NM_000135.2
UniProt Accession #	O15360; O75266; Q6PL10; Q92497; Q96H18; Q9UEA5; Q9UEL8; Q9UEL9; Q9UPK3; A5D923; B4DRI7; H3BSR5
Molecular Weight	159,083 Da
NCBI Official Full Name	Fanconi anemia group A protein isoform a
NCBI Official Synonym Full Names	Fanconi anemia, complementation group A
NCBI Official Symbol	FANCA
NCBI Official Synonym Symbols	FA; FA1; FAA; FAH; FA-H; FACA; FANCH
NCBI Protein Information	Fanconi anemia group A protein; Fanconi anemia, type 1; Fanconi anemia, complementation group H
UniProt Protein Name	Fanconi anemia group A protein
UniProt Gene Name	FANCA
UniProt Synonym Gene Names	FAA; FACA; FANCH; Protein FACA
UniProt Entry Name	FANCA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.